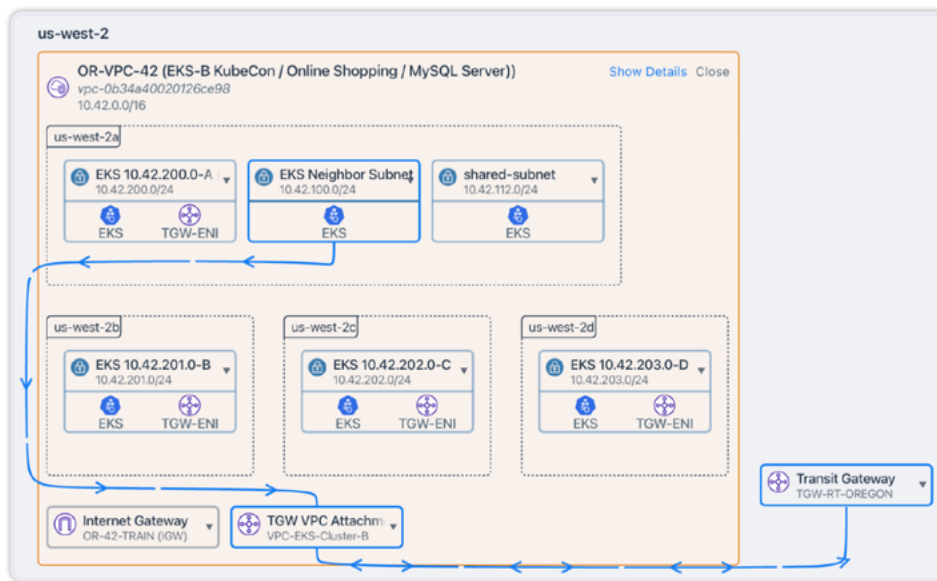


## Now Kubernetes deployments are observable

Kentik has launched a beta version of Kentik Kube as another feature of Kentik Cloud. This new service offering enables network and DevOps professionals to gain full visibility of network traffic within the context of their Kubernetes deployments.

Very often, pods and services experience network delays that degrade the digital experience. Until now, there has not been a means to identify which Kubernetes services and pods are experiencing network delays. The complexity of microservices leaves developers wondering if the network reality matches their design, who are the top requesters consuming Kubernetes services or which microservices are oversubscribed, and how the infrastructure is communicating both within itself or across the internet.



Network map showing EKS clusters communicating with the internet and within and between AWS regions.

## How Kentik Kube works

Kentik Kube relies on data generated from a lightweight eBPF agent that is installed onto your Kubernetes cluster. It sends data back to the Kentik SaaS platform, allowing you to query, graph, and alert on conditions in your data. This data, coupled with the analytics engine, enables users to gain complete visibility and context for traffic performance inside and among Kubernetes clusters. We built Kentik Kube to provide visibility for cloud-managed Kubernetes clusters (AKS, EKS, and GKS) and on-prem, self-managed clusters using the most widely implemented network models.

## Key benefits

Quickly answer critical questions

Discover traffic patterns within Kubernetes

Know exactly who was talking to which pod, and when

Visualize Kubernetes traffic contextualized with metadata

Multi-cloud and hybrid cloud visibility, as well as among Kubernetes clusters

MTTR reduction by troubleshooting faster in complex cloud environments

**Kentik provides comprehensive network observability. We are extending this observability to Kubernetes deployments.**

## Use Kentik Kube to:

**Identify network performance issues:** Discover which services and pods are experiencing network delays so you can troubleshoot and fix problems faster. Identify service misconfigurations without capturing packets. Configure alert policies to proactively find high latency impacting nodes, pods, workloads, or services.

**Determine top talkers:** Identify clients/requesters consuming your Kubernetes services so you can track down problematic connections. Discover oversubscribed microservices so you can adjust scaling, configure node affinity, etc. Know exactly who was talking to which pod, and when.

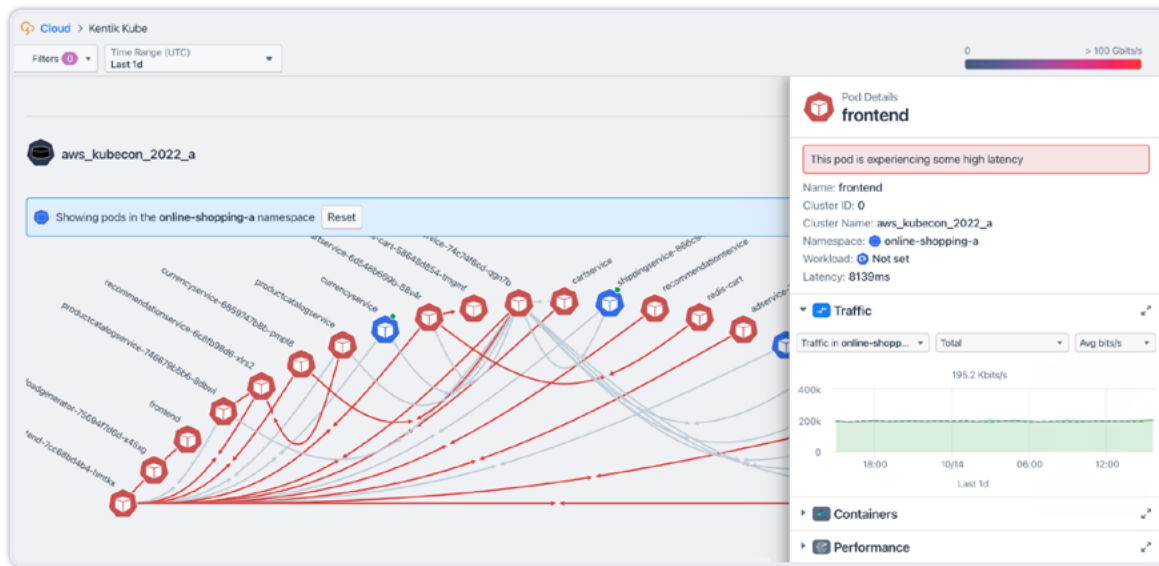
**Policy validation:** Ensure that your network reality matches your design. See which pods, namespaces, and services are speaking with each other to ensure that your configured policy is working as expected.

**Visualize all network infrastructure:** Know which pods were deployed on which nodes — even historically. See which pods and services are communicating with non-Kubernetes infrastructure or the internet. View your network from container to cloud.

## Visualizing with Kentik Kube

Kentik Kube provides east-west and north-south traffic analytics inside and among Kubernetes clusters. Kentik will automatically detail your network map once you have deployed the eBPF sidecar.

Kentik Kube can display details to see if your route tables, NACLs, etc. are configured correctly. You can drill down into a cluster to see if there are



Kubernetes cluster running on AWS, displaying latency at the front end of an online shopping site.

latency or other issues. Our eBPF telemetry agent deployed into these clusters lets you see the traffic between the nodes and the latency.

## Request access to the beta

Kentik Kube is in beta and available for a 30-day free trial. It's included in Kentik Cloud. [Request access to the beta](#) to get started.

**ABOUT KENTIK** | Kentik is the network observability company. Our platform is a must-have for the network front line, whether digital business, corporate IT, or service provider. Network professionals turn to the Kentik Network Observability Cloud to plan, run, and fix any network, relying on our infinite granularity, AI-driven insights, and ridiculously fast search. Visit us at [kentik.com](https://kentik.com) and follow us at [@kentikinc](https://twitter.com/kentikinc).

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